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SPECIAL FEATURE--Incubators and Brooders

The

Industrious Hen

An Illustrated Monthly Magazine
Devoted to Practical Poultry Culture

Volume 1.

JANUARY 1905.

Number 8.



The Industrious Hen Company
Madisonville, Tennessee.

NEXT MONTH--The Dual Purpose Hen.

that year by year increased attention is being devoted to poultry keeping. Incubators are without doubt much more largely used than they were even five years ago, but they are not taken to as much as could be desired, by the class to whom we look to a great extent for the home supply of table fowls and eggs. There are numbers of cottagers and small farmers who admit that since they have paid a little more attention to the feeding and management of their fowls, they have returned a most satisfactory profit; and yet the majority of these people cannot be persuaded to try artificial incubation even in those districts where table chickens find a ready sale and where, owing to the difficulty of procuring broody hens eggs can seldom be hatched in time for the very high prices to be obtained.

The main points to be observed in running an incubator are to keep the heat at an even temperature and give the eggs plenty of air. Sometimes when an incubator hatches well at first it will not give as good results after two or three broods have been brought out; this is due to want of cleanliness, caused by the fumes of the lamp and the hatching of chicks. The machine should then be overhauled and the woodwork and other parts thoroughly cleaned. Among poultry exhibitions incubators can be seen at work and the attendants will give the fullest of information; a practical illustration can there be obtained, which will often save the trouble of learning the printed directions.

THE USE OF INCUBATORS.

Such an advance has been made during the past few years in perfecting incubators, that this method of hatching can be safely relied upon. There are many different makes of incubators, each naturally, claiming to be the best, and to hatch a hundred per cent. of the fertile eggs intrusted to it. There are tank machines and hot air machines, but the novice need not allow himself to be confused by the conflicting statements of their respective admirers. There are many good ones of each class, procurable at very moderate prices.

Although the directions sent with the machines are not difficult to follow, still one matter that sometimes puzzles the beginner, is that of testing the eggs, in order to ascertain the fertile and unfertile ones. There is no way of knowing this until the eggs have been submitted for a time to the heat of the incubator. It is advisable to wait at least four days before examining them. One of the egg testers procurable from most of the incubator makers, should be used. Each egg must be held in front of the aperture in the tester, a bright light having first been placed at the back,

and the egg turned gently around with the fingers. If the egg is fertile the germ will present the appearance of a circular spot floating at the top of the egg; when held sideways the spot being surrounded by a clouded substance, showing small blood vessels. An unfertile egg will appear clear as if freshly laid. An addled egg looks darkish and turgid, with no sign of any blood vessels. Brown or tinted eggs are more difficult to tell than white ones. It is as well for a beginner to have a new laid egg at hand so as to be able to compare it with the others.

The necessity of turning the eggs has occasionally been questioned. Experiments have been made to test this and they have proved, that if the eggs are not turned the embryos almost invariably die in the course of the second or third week. When the eggs are not moved the lining membrane next to the shell becomes adherent to the yolk. This adhesion usually exercises pressure on the extremity of the yolk and prevents its absorption into the abdominal cavity, thus leading to the death of the chick. The turning of the eggs, therefore, is supposed to stimulate the movements of the embryo and prevent the prolonged contact of the same parts of the lining membrane with the yolk. The directions usually are, that the eggs should be turned half way around each time, twice a day.

Some skilled breeders have found it better to turn them, so that the eggs are not exactly in the same position for any two successive days; they therefore move them one third at a time, taking care that in the process, they are shaken as little as possible.

There are some persons who purchase incubators and yet do not understand how to read a thermometer. It is necessary that this very simple matter should be mastered.

The instructions given must be carried out strictly, particular attention being paid to the heat registered in the egg drawer. A very important point in successful hatching is not only that the eggs must be quite fresh, but they must not in cold weather be allowed to get frozen before being collected from the nests.

On first placing the cold eggs in the drawer, the temperature will fall but will soon rise again. Eggs must also be aired daily. Opinions differ as to the length of time for which they should be allowed to cool. This should depend a great deal upon the temperature of the room in which the machine is kept. One successful hatcher finds that from half an hour at the commencement to an hour up to date when hatching is due, brings the best results, though this is longer than is recommended by the makers.

(Continued next month.)

"The Industrious Hen"The Advancement
of A Great IndustryH. E. BRANCH,
ARCOLA, MO.

(Copyright Applied For.)

Perches should be 3 ft. high and on a level. Buildings should conform to latitude. No hard and fast rules should be given. In this latitude, Southern Mo., we have but little use for a scratching shed; but further north they are essential. Buildings should be so constructed as to prevent frosting of wattles and comb, but not so close as to induce colds and rouse. Be governed by intelligence. Quarters must be dry and well drained in any latitude. I am indulging in generalities; locality and environment will give color to details.

Now a word as to flocks. Remember that the egg is the prime element in poultry culture, no matter what breed you select. In a state of nature, hens laid one clutch of eggs and brought off one brood annually. If they were broken up, Nature in a rampant endeavor to perpetuate species would force them to laying again, and this process would be kept up until a brood was brought off or the rigors of climate interfered. Interrupt brooding, and brooding energies will be devoted to egg formation, as it is the first step in the formation of species. By taking advantage of Nature's strenuous struggles to reproduce species, and controlling climatic environment by artificial means, man's intelligence has converted some of our breeds into almost perpetual layers. The laying instinct can be cultivated and strengthened by proper care and selection in breeding, and the first step in intelligent poultry culture is to increase egg production. By cultivating these instincts they will grow and be transmitted in increasing volume to progeny. Economy egg and meat production should be the slogan of poultry breeders.

Unless you are contiguous to a good market for capons, fries and broilers, select your breeding stock from a healthy, vigorous, laying strain of Mediterraneans. Get the purest plumage color possible to combine with useful traits named. Beauty should be added to utility. As the cock is more than half the flock and will impress his propensities on all his offspring, he should receive special attention; because rapid improvement in flocks comes from the male side. He will transmit laying propensities just as certainly as he will those of form and color. A well bred cock of a laying strain put in an ordinary flock of farm bred hens, should increase the egg product of the first crop of 300 females at least five eggs

per hen or 125 dozen for the flock in a single season. Such a bird as I describe would be cheap at \$25. Select white plumage. The white bird will give a nicer dressed carcass than a dark one and will be better on the market on account of better appearance. White feathers are worth most. Care for by products and small economics is as necessary to success in the poultry yard as in the packing plant. Next to white, select buff or blue plumage. Avoid black and parti colored fowls. Rose combs are to be desired as they withstand cold and frost better than single combs. Omit no element that helps to success. It is a business enterprise and must be considered. As males have no office or function in egg production, cocks should never be allowed to run with hens kept for laying purposes exclusively. Infertile eggs will keep indefinitely in hot weather and candle cleared. Keep cocks only for breeding and select your best layers to breed from. Never keep a hen past two years of age except for breeding purposes. Profit is of more importance than "good head points." An extra layer may be kept many years for breeding, as blood lines will be a great factor in increased egg production.

If you will select some of the larger breeds, don't attempt to breed to so-called "Standard Weights." So far in this country, the business hen, the hen that writes poultry statistics, has found no place in the show room. A *fixed* weight to indicate breed type is a fallacy. Weight is a varying factor in all breeds and an average is the best we can do. "Standard Weight" is abnormal even after breeding for years, for excessive weights as advised by the "Standard of Perfection." THE HEAVIER ONE SHALL BE AWARDED THE PRIZE. That ruling is destructive of type, is opposed to market demand and wars against economy in production, the greatest factor in a breeding enterprise.

Mr. A. A. Brooking, of La Belle, Mo., a fancier and stickler for "Standard Weights, said in *Successful Poultry Journal*: "I have paid particular attention to the weight of fowls and find where they keep pure bred stock there is only about one in ten that will come up to "Standard Weight." That statement forcibly demonstrates that "Standard Weight" is *not* typical of the breed to which it supposed to be applied. No other breeding association selects abnormal specimens as representatives of breed type, will

deny an axiom recognized by all intelligent breeders, that the larger the fowl or animal the greater its cost per pound for production, hence the smaller the fowl, so it meets market requirements, the greater the profit. This applies with special force to fowls.

Fowls should be abundantly supplied with fresh, clean water at all times. In cold weather, make the water gently warm, giving the first drink when the fowls come off the perch in the morning; repeat during the day, but leave no water in vessels to freeze. Food given should be of such volume and character as to nourish every organ and function and maintain a healthy, vigorous vitality in flocks. When we do this, the food ration is well balanced and will keep every function in perfect order. Variety in foods is essential. Get some good work on food values and nutrient ratios like "System in Practice," by Jas. Shackelton, and then compound your own rations from best and cheapest products available. Class of fowls kept and climatic conditions must determine amount to feed at a given time. For rats, skunks &c, a well trained Scotch terrier is the best trap to keep and costs but little maintenance.

Now we come to lice, mites and bed bugs, the inveterate foes of poultrydom. I have fought them on my own premises and also for others. Like David of old, I have killed my tens of thousands but the Tribes still flourish. My constant endeavor is to employ the best and cheapest methods. At present I buy a concentrated preparation for \$1.50 that will make 50 gallons strong enough to obliterate foul odors, vermin and disease germs. It is no trouble to prepare. It is a fine dressing for wounds and skin humors, and a little given in drinking water will keep fowls from internal parasites. For lice on fowls, I prepare five or more gallons and aim to keep at 115 to 118 degrees temperature. It will then destroy both nits and lice. Take the fowl by the shoulders and immerse it, handling it until it is saturated to the skin. For ridding premises of mites, bed bugs &c, and for disinfecting and deodorising yards, coops &c, I use the same preparation, using a very simple double acting all brass spray pump having a capacity of two gallons spray per minute. It is also fine for white washing, doing thorough and effective work. There may be cheaper and better methods, but I have not discovered them.

As all of our knowledge of length, weights, values, organs, functions and proper conduct of enterprise is gained by comparison, I shall indulge in the interest of the poultry farmer and breeder. Theory without practice is null and void. The world demands practice, performance, serv-

ice in every field of effort, and all labor is based on utility, and its value is increased by the quality of service rendered. Service in music, art or any field is merely a response to market demand and a struggle for public favor. All exhibitions and show rooms are designed to emphasize superior service in given fields. In most instances names of rings indicate the kind of service the market demands. Horses are shown in speed rings, light harness, coach, saddle, carriage, draft and pony rings for women and children and service tells the story. The dam of Rysdick's Hamiltonian sold for \$125, Hamiltonian developed speed, a market trait, and the power to transmit to offspring. His service fee rose to \$500. and he earned \$100,000. in stud fees alone. Williams paid \$150. for Axtell who broke the stallion record and sold for \$105,000. Little Brown Jug sold once for \$27 50., again for \$45., and then for \$65. His head points remained the same. He paced in 2:11 and sold to Case for \$11,000. Even in a draft ring it is quality of structure and service that wins. The biggest horse may stand at the foot of the class. It is not the largest bull or steer in the beef ring that wins honors. The winner must exhibit smooth form, good feeding qualities, the most beef in the best parts and a minimum of offal as compared to live weight. The judge of a beef ring who would lay stress on head points, tails and shanks, would be brained with a bar of soap and serve him sight too! In the dairy ring size and color are of minor importance. A spotted Jersey may win over a fawn with black points. It is economy of production at the milk pail, cheese and butter tub that cuts ice in the dairy ring. The A. G. C. C. has advanced registry for animals of superior merit by actual performance. It is a red letter day in the life of Guernsey breeder when he gets a record in the Advanced Register. A Guernsey to be eligible to advanced registry must stand a year's test at an experiment station, giving not less than 6000 lbs. of milk containing not less than 250 and 5 tenths butter fat, equivalent to 290 lbs. of marketable butter. Sheep and swine husbandry are conducted on the same plane, service and value of market products, being the supreme gauge of merit. All *successful* breeding associations strive for a maximum amount of superior market products at minimum expenditure of time, money and energy.

The A. P. A. ignores the great precedents established and demonstrated by old and successful breeding associations. No show held under the auspices of the A. P. A. recognizes true merit in fowls or offers a prize for the superior service of useful function. The world's greatest poultry show at St. Louis (!) did not exhibit a *single hen*

for egg product or table service, the chief factors in poultry culture. Results: I read in a farm paper of a German who paid \$4000. for 23 Black Minorcas (a wonderful breed,) of prize winners at Chicago. They had been bred for good head points, beaks, wattles, hackles, capes &c., but not for useful service. They were "fancy fowls," sold for a "fancy price" to a simon pure "fancier." Reason was not a factor in that deal at all. The Dutchman gave \$10. (good value,) for birds and \$3,990 (cheap at the price,) for experience. Before he gets his cent per cent from that investment he'll vote the a "foul" proceeding and himself entitled to the belt for the championship of folly. I knew scores of men and women who paid fancy prices of \$15. to \$50. per trio. They got fine looking birds with good (!) score cards and show records, but they fell down on the egg basket. Some sold out and quit in disgust. Others are still at it, adding to their experience and subtracting from their incomes. Some sold and re-invested in hens bred for business instead of good "head points" and are making money hand over fist. Stern facts, like Dr. Sledd, I've bought some experience myself, though I dealt with honest "fanciers" and got what I bought. I've had the definition of "fancier" rubbed in on me and I am still kicking—at myself.

Kansas does things right. The Agr. College there, is now conducting a laying contest to cover one year. The cost, weight and number of eggs from each hen will be accurately tested. Keep your eye on that pen of Rose Comb White Leghorns and their record.

Such an exhibition as that will be worth more to the poultry industry than all the shows held in the United States to date.

POULTRY POINTERS.

J. H. SLEDD.

It is now time that all plans for the season have been made, and what we are going to do a fixed fact.

First of all, I hope the hen houses are all in good condition, comfortable, yet well ventilated. The dirt floors should all have been raised with sand or some good, new, dry dirt, so that no moisture can get in, and thus give the chickens cold. Then, too, I hope the roost poles have been nailed securely so as to prevent the hens getting falls that often injure them if the roosts are high.

Next boxes should have been thoroughly cleaned and whitewashed and filled with nice, fresh grass as an inducement to "Biddy" as she hunts a place to deposit her egg. When I say nest box-

es I mean those resting on a dirt floor with the foundation of the nest made in the dirt—then the straw or grass as a finishing touch. Nests of this kind I have found suit the taste of the hen, and are generally a safe place for the eggs, as they seldom get broken upon such a foundation, while plank bottom nests often become bare and thus destructive. I would recommend such nests also, as the most suitable ones for brooding hens, if a door is made for each nest, and care taken to take each hen off, and watch her on again.

Vermin seem not to like nests of this kind so much, and it is little trouble to renew the grass several times during the three weeks, and each time use Persian Insect Powder, which will insure your chickens against lice, and make the hen a happy and patient mother.

In my poultry experience, I have found that absolute cleanliness is the greatest item in the whole business.

It is the greatest preventative of disease, and far ahead of all egg producers. "An ounce of prevention is worth a pound of cure," some one has said, and very truly.

Grit is another very necessary article. Each pen should have a good supply always at hand. I believe the lack of it is always the cause of indigestion, and not infrequently other diseases are traced to its scarcity. Broken china, crockery etc., are relished and do no harm. Bits of slacked lime and crushed oyster shells should also form a part of the egg producing supplies.

Like human beings, hens desire, and will do better, when supplied with a variety of foods. I feed wheat, buckwheat, screenings, wheat bran, wheat middlings mixed with Indian meal, and boiled potatoes mashed. Potatoes are a cheap hen food, especially where farmers have small potatoes which are not marketable. Too many should not be boiled at once, as hens do not like sour, stale food any better than we do. Cats are a good egg producer, but not profitable to feed to hens, as the hull is of no value to them, (though it helps the stomach of a horse,) and oats are relatively dearer than other grain. Milk is a good food for hens, but should be mixed with bran or corn meal; if fed in pans, they waste a great deal of it. In France, where chicken raising is practiced more extensively than in any other country, buckwheat and milk are the favorite foods for hens.

Something cannot be made from nothing, except by Omnipotent Power. The best hens in the world cannot produce eggs or put on flesh without materials for their formation. They must have more than the food of sustenance, and food of the right kind in great variety to work to their full capacity. They must be kept comfortable and happy all the time by good food, good water and pleasant surroundings.

The Industrious Hen

Devoted to Poultry.

Entered as second-class matter July 25, 1904, at the post office at Madisonville, Tenn., under the Act of Congress of March 3, 1879.

REESE V. HICKS, - - - - - Publisher.

PUBLISHED ON THE 15TH. OF EACH MONTH AT MADISONVILLE, TENNESSEE.

SUBSCRIPTION PRICE 50c YEAR IN ADVANCE.
See our Special Club Rates elsewhere in this issue.

ADVERTISING RATES:

DISPLAY RATES will be made known on application.

BREEDERS' PLAIN CARDS will be run at the rate of one cent per word each insertion. Numbers and initials count as words. No card taken for less than 25c.

January, 1905.

One of the greatest things we need is a Southern Poultry Association. Not that we would advocate any measure that is radical, or not for the general good of the fraternity; but there are climatic and other conditions that must be met by us, that our neighbors of less favored climes know not of. Again; the work of the American Poultry Association is a work carried forward by members as they see it best, and the South is not represented in that body. It is true that they have the privilege of becoming such, but for some reason they have not done so heretofore, and as matters now stand in the Association, they are not likely to join its ranks. They carry their democracy too far to become the subjects of an autocracy. They use the Standard as promulgated by this association as the guide in the distribution of the premiums at their shows, simply because it is the recognized one in the poultry world of America. This they might continue to do until they felt that they themselves could promulgate such a standard as they needed and desired.

The organization of such an association would not be, however, for the purpose of getting up a new standard, but to promote that unity and strength among the breeders of the South as comes from work systemized and carried forward by an organized body of men. The Association should be made up of delegates from the various State Associations, and the State Associations should be made up of delegates from the various local associations in each State. The work of the association could be easily formulated so that it would be the law making, and hence governing body, and have a general oversight of all the State Associations. It could be made of incalculable value to the poultry industry in the South and the local associations could be materially strengthened and built up by such an organization. They

would among other things have a competent lecturer employed by them whose duty should be to visit the various shows and give a course of lectures on poultry topics. The best birds from the various State shows could be brought together for a final showing under the auspices of the general association. There is practically no end to the good such an organization could and would do, if set on foot.

These are only crude sparks from our anvil, and we would be very much pleased to have the written opinion of any and all of our readers along the line suggested. If they become too voluminous, we will simply make a symposium of them, and then we will see what there is to be done in the premises.

That the fancier of pure bred poultry is a fixture in the South, needs no further demonstration than to point to the many poultry shows held and to be held the present season. That they are not only fanciers but good breeders as well, is easy of demonstration; for no one can go to these shows and not realize that the birds on exhibition are fit to enter the strongest classes at the most noted shows in our country. In some things they are however lacking. We presume to say this because we are to the manor born, and the object of THE INDUSTRIOUS HEN is to advance the interest of poultrymen throughout the South. We have seen a judge cut, and he was right, a bird for being off in color, when that bird in the hands of an expert fitter would have lost but little in the section, if any, had the bird been properly fitted. We have the erroneous idea that a bird can be made ready for the show room in a few days when the fact is that they lose often on typical carriage because they have been handled so little that they are cowed, and instead of showing the lordly carriage they do on the yard, they crouch with fear, and the judge perforce cuts and the owner is disgruntled. We trust that our breeders will begin to fit themselves to fit their fowls for the next season shows, and begin to fit the birds at the proper time, and with a due knowledge of what is required at their hands.

Incubators and brooders have become a necessity with the up-to-date poultryman, whether he be a fancier or raising broilers for market. A word of caution to beginners in this line will not be amiss. The advertising matter sent out is exceedingly "catchy," and the inducements to buy very tempting. Do not be deceived by being told that the machine is "so simple that a child can run it," "it will not take five minutes a day" and similar *selling* talk. To run an incubator

successfully, the operator must have a *working* knowledge of both the *natural* and the *artificial* laws of incubation. Our advice would be to select a *small* machine of some of the best makes, and study and experiment with it until you have mastered it, before buying too large a machine.

In running an incubator, remember that a hen by instinct stays closely upon her nest when the period of incubation is nearing its end, she does not like to be disturbed, and resents as best she can your inquisitiveness. An incubator cannot fend you off, and "*gumption*" should teach you not to monkey with it. When you have served your apprenticeship, and learned at least in a measure, the science of artificial incubation, then comes the more difficult task of brooding. The failures here are many, and we believe that in the great majority of cases they come from too *much* rather than too *little* heat, and a lack of proper ventilation. A chick cannot live in foul air, but on pure air and good food it will thrive.

A. M. Lang, in his "Twenty-five Years in a Poultry Yard," says: "If you have pure stock and wish to keep it so, they must be separated and kept so, not allowed to marry or intermarry with other stock. If your White Leghorn cock gets out and marries a Brown Leghorn pullet, both are mixed." My own experience bears me out in the statement. Those who keep more than one breed, should see to it that they are kept absolutely separate. When the breeding season is over, the hens can be allowed to run at large, but without the company of any male bird. The males will be better if kept apart from the hens for a season, and the hens will enjoy freedom from their attentions.

Almost every one has a method of feeding. We give our's for what it may be worth. We always feed *cooked* food—stale bread, johnny cake, and the like—*never*, under any circumstances, giving the youngsters raw dough. As soon as they can eat it, we keep pin-head oat-meal, millet-seed, granulated oyster-shells, and a liberal supply of charcoal, constantly before them. For drink, they have scalded milk and clear tepid water. We believe in milk and charcoal, and find that, under our system, our chicks are ready for market at from eight to ten weeks of age, plump and nice, and weighing from a pound to a pound and a quarter, which is the weight desired in broilers.

Poultry products demand the highest prices, especially when presented in attractive packages.

Should a farmer run an incubator? This question is almost constantly asked, and the answer is seldom in favor of it, for the reason he has not the time to attend to it, nor a proper place to run it. We would say, own and run an incubator. The time taken, is but little; in fact, far less than that occupied by a dozen old biddies. While many advocate a cellar, we find that they run well in any comfortable room. It is the early chick that brings the high price, and you do not have to wait for the incubator to become "broody." By all means, let every farmer who keeps poultry, use an incubator—even if it be a small one.

The practical side of poultry culture has been too much neglected in the past and indeed it does not now receive the attention it merits at the hands of breeders. To sell a few settings of eggs and a few show specimens should not satisfy the real fancier. He should so arrange his work as to supply a private trade with all surplus eggs and stock and be in receipt of a steady cash income.

The fall shows have revealed the fact that the breeds that are receiving most attention at the hands of the fanciers are those that are usually termed "utility breeds." That this is true evidences the truth that THE HEN has preached since she first entered the field—that the dollars and cents in the business was, and is, what the mass of men are after.

During the short course in agriculture at the University of Tennessee, the editor of this journal will give a series of demonstrative lectures on Poultry culture, with practical demonstration of the use of incubators and brooders.

If you would get the best results in the egg basket, at this season of the year, see that your houses are free from drafts and that the hens have an abundance of feed.

Some changes in our form will be seen this month and they are but indicative of what we will be when we have reached out a little more.

Next Fall's shows should have exhibits of dressed poultry and eggs; thereby getting the housewife interested.

The interest in practical poultry culture is on the increase.

Send THE HEN your ideas on poultry culture.

The Publisher's Personal Talk

AN APOLOGY.

It is right to all concerned that I offer an apology for this issue, first, for being late, and second, for some bad mechanical work. Both these apologies are necessary; first, because a press failed to print as expected and we were forced to use small presses and thus the actual press work, involving time, labor, and money, was vastly increased; and second, there has been such a rapid increase of subscriptions to THE INDUSTRIOUS HEN that the number of copies required was far beyond what I ever dreamed it could be built up to, even after years of labor and hence we were literally swamped with demands for sample copies and yearly subscriptions, and it was a physical impossibility to supply the demand with a press that failed to do its duty. However, as above stated, we have printed an ample number but at a great expense and also sacrifice of time and mechanical effects. Allow me to say here that there is not a State into which we do not send from 100 subscriptions up, and the South is especially well covered.

But these mechanical troubles and delays will hereafter be avoided as we have bought

BRAND NEW MACHINERY

of the very latest pattern and especially adapted to getting out a large number of the old "Hen" rapidly and well. So send along your subscriptions and advertising.

POULTRY REVIEW PURCHASED.

As announced last month, this journal has purchased Poultry Review, of Bustleton, Pa., and consolidated the subscription list with the old "Hen's" list of readers and all subscribers to the Review will get our journal the balance of the time due them. We will also carry out the advertising contracts of this journal. Our advertisers will readily recognize that this gives them not only the readers of the Review, but our own subscribers. Mr. J. F. Eisenhower, former editor and proprietor of the Review, will be our Representative in Pennsylvania and near-by States.

REVIEW DEPARTMENT.

A full synopsis of the leading articles in the various poultry journals of the country will be given each month, with criticisms and comments by our editor. This department will be given special attention, and will alone be worth twice

the price of this journal a year.

ILLUSTRATIONS FOR FEBRUARY.

Next month, for the first time, will be given a number of half tone engravings of some prize winners at the foremost poultry shows of the country this year. These engravings will be made especially for us from original photographs taken by our artists. Some engravings of the yards of prominent Southern poultrymen, will also be given. A special feature each month, will be the insertion of these engravings.

CONTENTS FOR FEBRUARY.

Here is the bill of fare that the old "Hen" has prepared for her readers for the next issue:

The Dual Purpose Hen—H. E. Branch.

A Review of the Poultry Press—The Editor.

Incubators and Brooders (Continued from January)—A. V. Meersch.

On the Wing in Georgia, North Carolina and Virginia—The Editor.

Feeding for Eggs—Reese V. Hicks.

Improvements in the Poultry Business—Ida E. Tilson.

Poultry Show Characters—F. J. Marshall.

Report of A. P. A. Meeting at Minneapolis—Special Correspondent.

Poultry from a Farmer's Standpoint—Col. Robt. L. Abernathy.

Short Notes About Our Advertisers—The Publisher.

NOW A LAST WORD:

Mr. Farmer who is raising chickens, Mr. Poultryman, Mr. Fine Chicken Grower, don't you think you ought to read this enterprising Southern journal that is strictly practical while advocating pure-bred birds? Yes, you ought, and to get you to try it a year, we will send it to you 12 full months for only 25 cents in one-cent stamps.

Mr. Man who wants to sell poultry supplies, Mr. Chicken Raiser who wants to sell eggs and stock, don't you believe we are going out after the subscriptions and that we are getting them, too—no old dead list but fresh paid for poultry-interested folks? Hadn't you better let us tell them about you, and your eggs, stock, or goods? Our prices for space are low. Let us show you the prices.

REESE V. HICKS, PUBLISHER.

Business Bringers.

Breeders Cards will be run under this head at the rate of one cent a word each insertion. No card taken for less than 25 cents. 25 words will be run for six months for One Dollar. Cash to accompany the order for all breeders cards.

BRADLEY'S Houdan's win. Send for circular. T. J. Bradley, Box 83R, Delmar, N. Y.

R. I. REDS, white wyandottes. A few extra good buff orpington cockerels; eggs in season.—John W. Morris, Waldrop, Va.

RHODE ISLAND REDS: Send your order for eggs to the Cherokee Poultry Farm, Madisonville, Tenn.

50 WHITE WYANDOTTE COCKERELS for sale; Duston strain; fine breeders.—Allen Sechrist, Dundore, Pa.

J. R. BRUCE, Wooster, Ohio, Wyandotte Specialist, has pure, large, white Wyandottes for sale, bred from his winners. Single birds \$2 up to \$5. 8

BARRED Plymouth Rocks—America's best; Thompson, Hawkins and Bradley strains. Young stock for sale. Write for prices. T. H. Martin, Sandy Lake, Pa.

BUFF WYANDOTTES—Practical all purpose fowl, winter layers. This stock never had roup. Eggs, \$2. per 15, \$6 per 100. Marion Farm, Smyrna, Ga.

DON'T fail to send for Showalters fine circular of leading varieties of poultry, leading strains, stock and eggs for sale. Satisfaction guaranteed. Walter Showalter, Harrisonburg, Va.

COLUMBIAN WYANDOTTES, Partridge and Buff Plymouth Rock Eggs at \$1.00 and \$2.00 per dozen.

E. H. Adams, Ellwood, Schuylkill Co., Pa. Write with stamp.

POULTRYMEN—Large list of Farms, many adapted to poultry keeping. Send Stamp. New Jersey properties a specialty. Paul F. Williams, New Brunswick, New Jersey.

FOR SALE.—Eight fine large eight month's old male turkeys for breeding. Indiana bronze stock. Price \$4.00 each. Also some fine India game chickens. Address "Fancy Meadows Poultry Farm," Strawberry Plains, Tenn.

YOUR NAME in our poultry Directory brings you large Poultry Mail daily, including Poultry book, entitled, "\$500 Per Year on a City Lot," formula to force large egg production, also other valuable information. All for 10c silver. Schadt's Poultry Supply House, Dept. 11, Goshen, Ind.

R. C. BROWN LEGHORNS: Eggs, \$1.50 per 15. C. W. Hicks, Madisonville, Tenn.

FRED AXLEY, Philadelphia, Tenn., can fill your orders for eggs from R. C. Brown or S. C. White Leghorns.

E. E. CARTER, Knoxville, Tenn., has some choice S. C. Brown Leghorn Cockerels for sale. Write for prices.

FREE INCUBATOR.—Brand new 220 Egg Incubator given away. Send 10c. for trial subscription to the SOUTHERN RURALIST, and full particulars. Address, SOUTHERN RURALIST CO., No. 35 Marietta St.; Atlanta, Ga.


50 GRAND BUFF COCHIN BANTAMS fit to show or breed you winners at \$2.00 apiece, \$5.00 a pen, mated to produce the best results. Must sell at these exceedingly low prices because I must be disposed of my entire flock by February for I am going to make the S. C. White Leghorns a specialty. Walter A. Drott, 523 Elberon Avenue, Cincinnati, Ohio.

ATLANTA (GA.) SHOW.

The Atlanta Show, Jan. 4th to 10th, was attended two days by Dr. J. H. Sledd, editor of this journal, but owing to the fact that he was on a tour in North Carolina, his copy of write-up of this great Southern show did not reach us in time for this issue, nor did the list of awards. Our next (February) issue will give a full account of this show, as well as a report of his trip to Raleigh and Charlotte, N. C., Shows, and other points.

ABERDEEN (MISS.) SHOW.

The Aberdeen, (Miss.) show given Jan. 13th to 17th, was the best ever given at that enterprising little city. The display of birds was well toward 700 and of very good quality. Aberdeen has developed rapidly in the poultry business as has its neighboring city, Amory, Miss. The fanciers of that section are working to build up a reputation for the shows of Aberdeen that will cause premiums won there to have more than a local significance. The publisher of this journal was at the Aberdeen show and a more extensive write-up of it will appear in our next issue.



AN

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Are Breeders of

Standard Bred White and Barred Rocks, W. Wyandottes and S. C. B. Leghorns.

We can now ship you breeding birds—any age—any number to suit purchaser.

Let us book your EGG order now for Spring delivery. Drop us a postal card for prices on anything in our line, for we are positive we can interest you.

**Single Comb White Leghorns**

ACKNOWLEDGED BEST IN THE SOUTH.

FIRST PRIZE WINNERS, Atlanta, Ga., '05; Chattanooga, Tenn., '04; Sweetwater, Tenn., '04.

EGGS { Pen No. 1, \$3.50 } JNO. F. CHILDRESS, Sweetwater, Tenn.
 { Pen No. 2, \$2.00 }

Kirkwood, Mo., Dec. 1, 1904.
Mr. W. F. Chamberlain,
The Perfect Chick Feed Man,
St. Louis, Mo.

Dear Sir:

I write to say that my Buff Rocks are in fine condition and have excellent color, and I see good results from feeding your Mash Feed. I am now ready for my usual supply of Perfect Chick Feed, and would feel lost if I could not get it. I find your Chick Feed a perfect feed for little chicks, and all that is required to raise them is care while feeding your Chick Feed.

Please send me 500 pounds as soon as you can.

Yours Respectfully,
R. E. Johnson,
The Great Plymouth Rock Man.

This is to certify that M. D. Andes of Bristol, Tenn., has purchased from us a pen of Buff Wyandottes—one male and four females that are full brothers and sisters to our World's Fair prize winners.

Ackley & Page.
Woodstock, Ill.,
Dec. 28, 1904.

PRINTING FOR POULTRYMEN. That is what I have done for years, and Practice makes PERFECT. You will get the Best Work here, and it will cost no more than the other kind. Largest line of first class cuts in the country. Samples, etc., mailed free.

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Eggs for hatching; fine stock for sale; 16 years breeding Barred Plymouth Rocks, White Wyandottes, Single and Rose Comb R. I. Reds, Lt. Brahmas, Single Comb Black Minorcas, Single Comb White and Brown and Rose Comb Brown Leghorns. \$1.00 per 15; \$5.00 per 100. Send for free catalogue.

C. B. HUFF, BOX O. DELAWARE, N. J.

The Biggest Laying Strain

of White Leghorn S. C. in the whole world. Free rangers. Catalogue. Eggs \$1.00 per 13. A few cockerels \$3 to \$5.

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THE SOUTHERN FANCIER, Atlanta, Ga., 50 pages; devoted to every interest of the poultryman;

THE INDUSTRIOUS HEN, Madisonville, Tenn.; practical, pithy, pointed; 50c per year.

BOTH FOR PRICE OF ONE.
Send subscriptions to either paper.

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SINGLE COMB BROWN
LEGHORNS.

Birmingham, Ala., Show, Dec. 6-9, 1904, 1st and 2d cock, 1st and 2d hen, 1st, 3d and 4th Cockerel and 2d pen; Chattanooga, Tenn., Dec. 13-16, 1904, 1st and 2d cock, 1st and 3d hen, 1st cockerel, 1st pullet, tie on 1st pen; Anniston, Ala., Show, Dec. 13-16, 1904, 1st and 2d cockerel, 1st and 3d pullet, 1st pen. Circular free.

M. S. COPELAND, Powells Station
Tennessee. ✖✖

Eggs, \$2.00 to \$3.00 per setting. Special, \$5.00.

..... Buff Wyandottes

BUFF to the skin and layers of superior merit:

Abounding in standard requirements. Exceptional in size, and line bred from a long line of BOSTON and NEW YORK prize and cup winners.

Stock and Eggs in any quantity.

QUAKER POULTRY CO.,

Welch Road near Blue Grass Road, - - Philadelphia County, Pa.

A limited number of May-hatched Cockerels \$2.00 and \$3.00 each.

EGGS FROM PRIZE PENS



GOOD HATCH
GUARANTEED

Buff Rock, Buff Cochins, Buff Wyandottes
and Silver-laced Wyandottes. Write for a
catalogue.

Eggs, \$1.50 per 13. CHAS. O. JACKSON, Norwalk, Ohio.



24 Prizes at 3 big shows in one season. Also every special offered, score 90 to 95.

J. D. HEREFORD,

NEW MARKET, ALA.,

BREEDER OF

S. C. Brown Leghorns

Exclusively. Eggs \$1.50 per 15; two sittings \$2.50. Fowls for sale at all times. Prices named on application. Correspondence cheerfully answered.

Maund's S. C. W. Leghorns

are still in the lead. At Atlanta, Ga., Jan. 4-11, 1905, in a class of 55, I won the most coveted of all prizes, 1st Breeding Pen; also, 2d and 4th Cockerels, 2d and 4th Pullets, and more Specials than all competitors combined.

At the Georgia State Fair, Macon, Ga., October, 1904, I won 1st Cockerel; 1st and 2d Pullets, and 2d Hen.

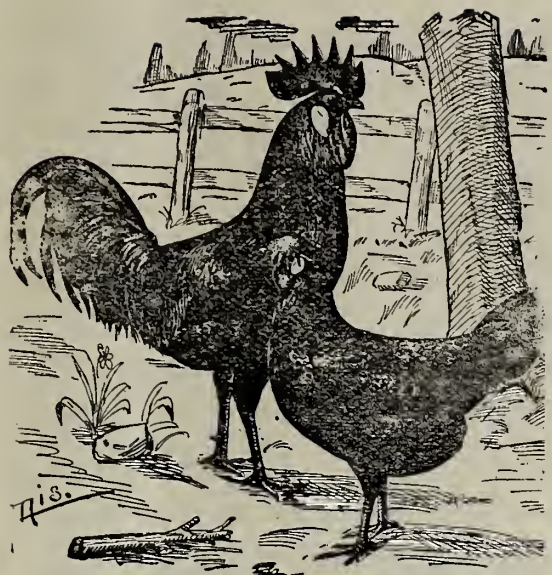
EGGS: From a good pen, \$1.50 for 15. From the best pen in the South, \$3.00 for 15, straight.

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Chloro=Naptholeum

The best disinfectant and louse killer in the world. Quart can 65c gallon \$1.50.

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HIGH-CLASS

Black Minorcas

"Northup's Strain"

Birds for Breeding and Exhibition Purposes on Hand at all times.

EGGS, \$2 FOR 15.

C. O. Harwell,

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Farm, Edgewood, Ga.

Hyde Park Kennels and Poultry Yards

Breeders of Line Bred BARRED PLYMOUTH ROCKS exclusively. High class stock for sale at all times. EGGS: \$3 for 15; \$5 for 30. Also SCOTCH COLLIE DOGS. Registered stock only.

ALF. BERTLING,ATLANTA,
GEORGIA.

Or College Park, Ga., R. F. D.

BARRED ROCKS ONLY

Eggs and Cockerels for sale. Eggs, \$1.50 per setting; \$5 per 100. Cockerels from \$1.50 to \$2.50.

C. E. SPRAGUE

CHATTANOOGA, TENNESSEE.

**ROYAL BLUE BLOOD POULTRY**

Thoroughbred High Scoring

WHITE WYANDOTTES

BARRED PLYMOUTH ROCKS

WHITE PLYMOUTH ROCKS

LIGHT BRAHMAS

BLACK LANGSHANS

BLACK MINORCAS.

TRIOS for \$10.00; 5 for \$15; 10 for \$27.50.

EGGS from either breed \$3 for 13.

We are overstocked with Brown Leghorns and will sell 100 in lots to suit for \$1 each. First come first served.

Reliable Poultry Supply Co

Southern Agents, Reliable Incubators and Brooders,

BOX 88.

ATLANTA, GA.

PIGEONS

For the best in their classes
write to

J. C. PEMBERTON,

Chattanooga, Tenn. His prices are right, and his birds will please.

MY SUCCESS WITH POULTRY.

To paraphrase Shakespeare, some poultrymen are born for success, a few have luck thrust upon them, but most of us need to achieve fame. I think I was one of the last class. My early training for the profession of school teacher, was thorough. Good positions and wages had come when my mother's eyesight failed, and her consolation seemed the nearest duty. But how could I be company for her and get a living at the same time? I had heard there was "money in hens." I decided to give poultry culture a trial, and started with 7 hens that, like some women, never told their ages, but were evidently on the shady side of life. The first element of success, was that I did not know it all, but earnestly read the poultry columns in every farm paper I could reach. Finally, it dawned upon me that papers given wholly to poultry subjects, might be had. "They have done me good and not evil all the days of my life." To this date, I am yet reading them, and learning about housing, breeding and cleanliness, though every novel suggestion is conservatively tried at first.

My early, crazy-quilt affair of a flock, long since was replaced by young, handsome full bloods. Rightly handled they lay as many "cooking eggs" as do commoner fowls. The well bred bird has individual worth, besides furnishing valuable settings.

Parasites had to get a good start, before I would believe their existence. Kerosene and whitewash kept them down, but one of the popular tar preparations, commended at a Farm Institute, destroyed the pests on walls and nests.

Meantime, Gov't., and State Experiment Station bulletins came along, and I learned from them especially how to feed

scientifically and economically. I first realized that white bread is chick "baby food," and must soon be replaced by curd, clover, oatmeal, like the "strong meat for men." I next realized that corn and potatoes are fatteners and finishers, not builders, but being cheap, I could wisely balance them with bone, meat and exercise. Many finer points were understood, such as the need of cooking potatoes to drive away a volatile poison in their skins, and the slow cooking of curd that it be not turned into leather. But you better study those bulletins for yourself. The next element of success, was faithfulness. I decided it would not be fair to call poultry raising a failure if I was a failure myself. Hence, neither rain nor shine, company nor laziness, princes nor commoners, often delayed me in giving my birds their meals on time and cleaning their houses regularly. "Everybody loves a lover," whether a lover of maids or of birds. Neighbors and company caught my enthusiasm, and enjoyed visiting my hen-houses with me. My biddies got an equal habit of laying regularly. From less than 90 eggs apiece, a year, they have risen to 145 eggs average, a hen, yearly. I do not say when a half a flock are sold or eaten, that the remainder laid the years total eggs, but each hen is counted present every day she is in my flock.

Constant kindness kept my biddies confiding, hence easily and quickly handled, during incubation, marketing etc.

When I got to making more money from poultry, than I had in teaching, I began to grow a little conceited and set. It was hard to admit that the incubator, brooder and other new-fangled things, without which I had been successful, could add to that success. But I tried them and convinced myself.

To sum up, progressiveness and persistence have been my secrets of success with poultry, secrets which many Farm Institutes have thought it worth while to hear. IDA EWELL TILSON.

EGGS

FOR HATCHING

FROM BLUE RIBBON WINNERS

White Wyandottes

SPRING DELIVERY, 15 for \$2.00.

Winners at Birmingham, Dec. 6-9, 1st pen, 1st and 3d pullets, 3d cockerel; at Anniston, Dec. 13-16, 1st pen, 1st ckl., 2d and 3d pullet.

JOHN M. KENDALL, - - - Eufaula, Ala.

GILLIAM'S

BROWN
BUFF

LEGHORNS

Winners Wherever Shown.

Stock hardy. Eggs fertile, will be properly packed and will produce stock that will please and win for you. EGGS—\$2 for 15; \$3.50 for 30; \$5 for 45. No trouble to answer questions, and I'll furnish the stamp.

G. W. GILLIAM, - - - MONTEAGLE, TENN.

Forest Poultry Yards

Exhibition

Black Langshans, White Plymouth Rocks

Over 300 to select from. They always win for me, why not for you. Catalogue for the asking.

H. H. HARP, Marienville, Pa.

S. C. White Leghorns

My birds are high class and up-to-date. Have won their share of prizes wherever shown. Carefully mated, kept clean, vigorous and active. Eggs \$2 per 15.

Mrs. L. H. Johnson, - - - Huntsville, Ala.

FORBES POULTRY YARDS.

THIS FALL'S RECORD

AT BIRMINGHAM:—On Brown Leghorns—1st pen, 1st, 2d, 3d and 4th pullet, 2d cockerel, 3d and 4th hen, 3d cock; pen score 188 1-4 points. On White Leghorns—1st pen, 1st cockerel, 1st, 2d, 3d and 4th pullet.

AT HUNTSVILLE:—In S. C. Brown Leghorns: 2d pen (tie) 2d ckl., 3d pullet (tie) 3d hen (tie) White Leghorns: 1st ckl., 1st pullet, 1st pen.

Eggs: Brown Leghorn, \$2 and \$3 per 15; White Leghorn \$3 per 15.

MRS. FLORENCE FORBES, -- New Decatur, Ala.

BULLINGTON'S BREVITIES.

Never go about the work in your poultry yard and pens in a sloven way, have a method or set plans. The man with methods accomplishes more in a week, than the hard working sloven does in a month.

System is one thing we should all have always, have a place for everything, and everything in its place.

A good handy pair of tools to have in each house is a shovel and short handle broom, for cleaning off the roosts, brushing down the dust etc.

During the winter months be very careful and not let your fowls out in the cold rains or snow. If the hens or pullets are laying it will stop them, and when they get wet, they will not dry off as quick as they do in warm weather, besides it chills them owing to the temperature. It is a good plan to have your houses or pens well ventilated, in the day time. No better way to do this than build a frame of light lumber size of window, cover with cloth and put in place of window, this keeps out wind, but lets in plenty of light and air.

Keep the drop board well sprinkled with lime, as well as plenty of lime on the floors. Lime absorbs the moisture and is otherwise beneficial in keeping down such diseases as roup, colds, chicken pox, etc.

Dissatisfaction is not a sufficient reason for discouragement. We could not appreciate our successes without some disappointments. The old adage, "If at first you don't succeed, try, try, again," could not be applied better anywhere than to the poultry business.

Try feeding the poultry a little grain, such as cracked corn, wheat and millet in several inches of straw, as soon as they come off roosts in the morning so as to give them some exercise as a starter, then about ten o'-



BROWN LEGHORNS

(EXCLUSIVELY.)

Huntsville, Ala., January 4-9, 1904, 1st Cockerel, score 95; 2d Pullet, score 94 1-2; 1st Pen, score 188 7-8. Charlotte, N. C., January 12-15, 1904, 1st Pullet, 1st Pen, 2d Cockerel, 2d Pullet, 4th Pullet. Atlanta, Ga., January 26-30, 1904, 1st Cockerel, 1st Pullet, 1st. Pen.

Young stock ready for shipment. Send for circular.

A FEW CHOICE COCKERELS FOR SALE.

E. E. CARTER,

965 Broadway,

KNOXVILLE, TENN.

MADISON

SQUARE

GARDEN

WINNERS

240 Egg Strain Rose and Single C. Brown Leghorns.

Over 40 Prizes in the Garden on the Leghorns. Rose and S. C. WHITE LEGHORN. No better layers. Large, white and winners. WHITE WYANDOTTES. (Duston.) Five Firsts in one show. BARRED and BUFF ROCKS. The real thing.

COLLIE and BULL TERRIER PUPS and DOGS. Cat.

W. W. KULP,

Pottstown, Pa.

Box 60.

Buff Rocks and Buff Orpingtons.

Send for Prices.

F. P. KANESTER, Cleveland, Tenn.

CAUSES OF UNEVEN HEATING

The fault of some incubators is that their heaters and regulators "go on a strike" a good share of the time; sometimes the eggs get a cold draft—then get an overheated current of air. You don't have to worry over results with a

GEM INCUBATOR

Our heating arrangement keeps the temperature of the entire body of air in egg chamber within just the right hatching limits. No overheated center circulation—no frigid corners. This and scores of other reasons make the Gem a favorite, high per cent hatcher. Write for free catalogue and read—then buy.

GEM INCUBATOR COMPANY, DRAWER D DAYTON, OHIO



Darling's Beef Meal

is a protein feed—what the hens must have to make eggs come. Our special food for just that purpose. It goes to make up the egg. That's why hens are such great worm and bug catchers. In winter you must

Feed Them Protein

Our Beef Meal and Beef Scraps are high per cent protein, specially prepared, sweet, pure, never tainted. In 100 lb. bags: Beef Meal, \$1.80; Beef Scraps, \$2.25. Part of our Poultry Line: Granulated Bone, \$2.00; Clover Meal, \$2.00; Laying Food, \$2.25. Chick Feed, \$2.50, Oyster Shells, 60c.; Mica Crystal Grit, 65c. Also Cut Clover, Roup Cure, Lice Killers and full line Appliances. Our "Fill the Egg Basket" has come to be everybody's poultry book. Ask for it. Also the Complete Catalog. Both free.

DARLING & COMPANY, Dept. 41 Union Stock Yards, Chicago.

White Minorcas

Large, true type. Quality that is the best to be found in the world. Exceptional heavy layers of large white eggs. A limited number for sale. Catalog with illustrations sent free. It gives a list of winnings at such Shows as Hagerstown, Charlotte, Atlanta, Richmond, etc. Remember the "Bullington" Strain is the best. Eggs from prize matings now ready to be shipped. \$3 per 15.

F. S. BULLINGTON,
Box 328 H, Richmond, Va.

White P. Rocks

Quality of stock fine.

Prices low. Will please or refund money. Could you ask more?

C. WILBUR HUMPHREY
Circular free. Pomeroy, Ohio.

Buff Leghorns

July hatched, strong, active, pure buff with good combs, raised on free range. \$2 and \$3 each.

I. X. L. POULTRY FARM,
1520 N. 21st St., Philadelphia, Pa.

MICASHEL, SILICA-POULTRY GRIT

First aid to neglected hens produces perfect eggs and lots of them. Write for prices and samples. THOMAS P. KENYON, Edge Hill, Pa.

Partridge Cochins.

(Mitchell Strain) Eggs, \$2 per 15

A few choice breeders for sale.

ROBERT HULLEY, Bustleton, Pa.

The Industrious Hen

and your choice of any of the following Journals for FIFTY CENTS:

The American Poultry Advocate
The Successful Poultry Journal
The Southern Poultry Journal
The Southern Ruralist

clock give them a good warm mash composed of equal parts of corn meal, wheat bran, oat chops, hulled oats, and mix in the scraps from the table. Three times a week add in one part beef scrap. You will find this gets lots of winter eggs. Send the fowls to bed however with a good crop full of hard grain.

The hatching season will soon be with us and those who contemplate purchasing an Incubator, would do well to write at once for the different catalogs, select the machine, which suits you, order it and take a month learning how to operate it. The time will not be thrown away but it may save you many a egg later on; try this experiment on a few eggs first. Many have had the best hatches of their lives though in the very first one. Don't make a mistake in buying a cheap machine. The best is cheapest in the end.

F. S. BULLINGTON.

WORDS OF PRAISE.

Charleston, Tenn.

Editor INDUSTRIOUS HEN,

I enjoy the INDUSTRIOUS HEN very much. I hope the HEN may grow in circulation until every home in the South may find it a regular and steady visitor. It has the right name. The print is fine, large and plain, and I wish it much success.

Yours,

Jas. A. Maddux.

R. F. D. No. 2.

CERTIFICATE OF SALE.

Bloomsburg, Pa., Nov. 15, 1904.

This is to certify that I have this day sold to C. W. Fowler of Smyrna, Ga., MY COLOR SPECIAL BUFF ROCK HEN, winner of 2nd and color special at the late Madison Square Garden Show, N. Y., 1904, in her class of sixteen hens, undoubtedly the best class ever shown at the above show. With this new addition to Mr. Fowlers flock, it places him among the front ranks of Buff Rock fanciers.

C. L. Pensyl.



HEALTH IN THE FLOCK. EGGS IN THE BASKET.

Always follows the use of MAGIC POULTRY FOOD. It is a remarkable combination of valuable tonics and remedial agents especially adapted to promote health and production of eggs. It really ACTS LIKE MAGIC. Has 14 years success behind it. High standard always maintained.

We want every raiser of poultry to know all about it and what we claim for it. We will send FREE, a valuable book on STOCK AND POULTRY, and beautiful colored pictures on application.

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MAGIC FOOD CO., Chattanooga Tenn.

Gentlemen:—I am a breeder of fancy full blooded White Leghorns and Plymouth Rock Poultry. After using your Magic Poultry Food for some months, I wish to say that I am more than pleased with the benefits derived from the same. In fact it is one of the best I have ever used and can highly recommend it to all Poultry Breeder, especially breeders of Fancy Poultry. I am really glad I happened on your valuable Poultry preparation.

Yours Truly,

A. M. Wilson.

Canadian, Tex.

MAGIC FOOD CO., Chattanooga, Tenn.

Gentlemen:—Let me say a word in favor of your Magic Poultry Food. We use it all the time and it certainly works wonders. Our chickens are healthy and lay when others get no eggs at all.

Yours Truly,

Mrs. Mable Owens.

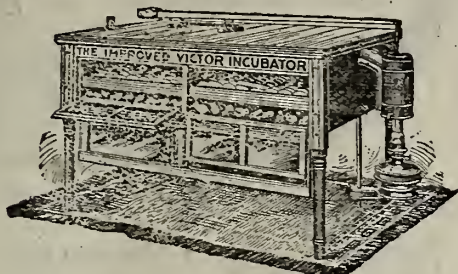
Address, MAGIC FOOD CO., Chattanooga, Tenn.

2LB. PACKAGE, 25C; 10 LB. PACKAGE, 75 C. GET THE GENUINE ONLY.

**Mandy's Poultry School**

Every one interested in poultry raising will be interested in this valuable poultry book. Tells how Mandy overcame difficulties every one experiences with poultry and how she made a wonderful success. It's a guide book of every-day experiences from hatching to marketing poultry for every-day reference. It's free.

GEO. H. LEE CO., BOX 55, OMAHA, NEBRASKA

**The Victor Book**

is a mine of information for the chicken raiser. 80 pages of poultry information that will help the expert as well as the beginner. Two-thirds of the space is devoted to giving information about the poultry business. The rest tells the truth about the Victor Incubator and Brooder. We start with the egg and give pointers that mean profit and increased profit right through to the heavy fowls ready for market. How to make hens lay when eggs are scarce. How to get early spring chickens on the market in time to get best prices. Practical hints that may mean money whether you depend on the old hen or an incubator to do the hatching.

We want you to have the book and will gladly send it to you free if you will give us a chance to do so by sending in the coupon below. Or send us a postal card asking for it if you don't want to cut the paper.

GEO. ERTEL CO., Quincy, Ill. Established 1867.

GEO. ERTEL CO., Quincy, Ill.:

Please send me the Victor Book FREE as advertised

Name

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Mention the INDUSTRIOUS HEN.

The South's Best**BARRED PLYMOUTH ROCKS.**

This is a strong assertion, but I challenge any Southern breeder to disprove this claim.

My "Southern Beauty" Barred Rocks are winners of

MORE FIRST PRIZES

wherever shown than all competitors combined, and have won the American Plymouth Rock Club's Silver Cup THREE YEARS IN SUCCESSION, for best Cock, Hen, Cockerel and Pullet.

Nothing Like Them in the South.

Stock and Eggs for sale at all times.

All enquiries are given my personal attention and answered

same
day
received.

A. E. TATE,

HIGH POINT, N. C.

AT HUNTSVILLE, ALA.

No town in the South can boast of a more hospitable people than can the city of the wonderful spring. No set of fanciers that we have ever met deserve a greater mead of praise for good work under adverse circumstances, for the Huntsville show, now the boast of North Alabama fanciers, was projected by some of her enterprising boys and worked to a successful issue only six years ago from almost nothing but the love these boys had for fine fowls. The sixth show, which we had the pleasure of visiting was in point of quality



JOHN L. HAY,

Sec'y., North Ala. Poultry and Pet Stock Ass'n.

one of the best we have seen and the Association as has ever been its custom was ready at its close to pay out the cash for all premiums offered and the very efficient secretary, John L. Hay, had the score cards ready for the exhibitor. There was no waiting or unnecessary delay but the work was done at once and the close found the visitors loth to leave so good a company. In the election of officers for the ensuing year they wisely chose the same president and secretary.

Brown Leghorns

That Pay. The Kind You Need
Circular Free.—J. H. HENDERSON,
KNOXVILLE, - TENNESSEE.

White Wyandottes, Pekin Ducks,
White Holland Turkeys.

Eggs 15 for \$1.50.

Only a few choice birds for sale.
Prices on application.

L. R. KELLY, Ridge Farm,
Vinemont, Ala.

AUVERGNE FARM**POULTRY YARDS.**

White Wyandottes

... and ...

S. C. White Leghorns

Eggs, \$1.50 for 15. \$7 for 100.

JULIAN L. SHIPP,

Highland Park, Tenn.

LONG VIEW POULTRY FARM

Home of Thoroughbred Poultry.

BUFF COCHINS, BLACK
LANGSHANS, LIGHT and
DARK BRAHMAS.

BARRED PLYMOUTH ROCKS,
BROWN LEGHORNS, BUFF
ORPINGTONS, BLACK
MINORCAS, SILVER
LACED WYAN-
DOTTES.

EGGS, \$1.50 FOR FIFTEEN

Address, LONG VIEW POULTRY
FARM, Sta. A, Atlanta, Ga.

Ringlets for Sale.

E. B. Thompson's famous Ringlets, C. H. Latham's light Barred Pullet Strain, Fishel's White Rocks, Duston's Pure White Wyandottes, and Burdick's Golden Nuggets, mated and bought direct. 850 large vigorous cockerels and pullets from \$1.00 up. They are as fine as can be found in the South. Line bred from New York prize winners, scoring 93 to 94. Finest exhibition and laying strains on earth, winning first, second, and third prizes in hottest competition at a number of shows this Fall.

DR. J. W. LASLEY,

Burlington, N. C.

They lay claim to Dec., 11th to 16th, 1905, as the date of their show for next season and hope no one will infringe on the date.

Buff Wyandottes—P. W. Lusk, Aberdeen, Miss., 1st ck, 1st and 2nd pul.

Buff Orpingtons—T. R. Young, Aberdeen, Miss., 1st ckl, 1st pul.

Silver Laced Wyandottes—Oaklawn Poultry Yards, Aberdeen, Miss., 1st ck, 1st and 2nd hen; John Frazier, Huntsville, Ala., 1st ckl.

White Wyandottes—Oaklawn Poultry Yards, Aberdeen, Miss., 1st ckl, 1st and 2nd pul, 1st and 2nd hen.

Golden Wyandottes—All awards to P. W. Lusk, Aberdeen, Miss.

Buff P. Rocks—Addison Brannin, Aberdeen, Miss., all awards.

Black Minorcas—Baylor Langsdan, Guntersville, 1st ck, 1st ckl, 2nd hen; Charles Henley, Huntsville, 1st hen, 2nd pul.

Partridge Wyandottes—J. R. Young, Aberdeen, Miss., 1st ck, 1st hen; J. L. Falkner, Knoxville, Tenn., 1st ckl, 1st pul, 2nd hen.

White Leghorn—Mrs. Florence Forbes New Decatur, 1st ckl, 1st pul, 1st pen; Mrs. L. H. Johnson, Huntsville, 1st ck and 2nd tied, 2nd and 3rd pul; Frank Murphy, Huntsville, 1st, 2nd and 3rd hen, tied 2nd ck; Dr. J. D. Humphreys, 2nd ckl.

Buff Leghorns—G. W. Gilliam, Montecagle, Tenn., 1st pen, 1st ckl, 1st hen, 1st pul, and 2nd and 3rd pul tied; P. H. Walker, Cleveland, Tenn., 1st ck, 2nd hen tied, 3rd ckl; B. C. Gorman, East Lake, Ala., 2nd ck, 2nd hen tied, 3rd hen, 2nd ckl, 2nd pul tied; Otey O. Overton, Huntsville, 3rd pul tied.

Rose Comb White Leghorns—All awards to H. B. Langsdan, Guntersville, Ala.

Brown Leghorns—E. E. Carter, Knoxville, 1st pen, 1st ck, 1st ckl, and 2nd tied, 1st and 2nd pul, 1st pen and 2nd tied; John D. Hereford, New Market, 1st hen, 3rd ckl, 3rd pul tied; G. W. Gilliam, Montecagle, 2nd hen; Mrs. Florence Forbes, New Decatur, 2nd ck, 2nd ckl tied, 3rd pullet tied, 3rd hen tied 2nd pen tied.

B. P. Rocks—W. L. Wall, Huntsville, 2nd and 3rd ck, 1st, 2nd and 3rd hen 2nd pen; A. G. Settle, Nashville, 1st ckl, 1st pul tied; W. T. Darby, Florence, 2nd ckl, 2nd and 3rd pul, 1st pen.

White P. Rocks—George Darwin Huntsville, 1st ck, 1st and 2nd ckl, 1st pul, 3rd hen; Jas. R. Stevens, Huntsville, 2nd ck, 1st and 2nd hen, 3rd ckl, 2nd and 3rd pul.

Pit Games—O. B. Patton, Huntsville, 2nd ck, 1st trio, 1st hen, 1st pul, 2nd stag, 3rd pul; H. B. Langsdan, Guntersville, 1st ck, 3rd ck, 1st and 3rd stag,

2nd and 3rd hen, 2nd pul; Wallace Rice, Huntsville, 3rd trio; N. L. Pierce, Huntsville, 2nd trio.

Buff Cochins—Otey O. Overton, Huntsville, all awards.

Game Bantams—James Hutchens, Huntsville, all awards.

Mammoth Bronze turkeys—Mrs. J. G. Schofner, Boonville, Tenn.; 1st old tom, this turkey won second prize at the Universal Exposition at St. Louis; J. B. Bradford, Madison, 1st, and 2nd young pair, 2nd pair.

Toulouse Geese—Julius Hildebrand, Athens, Ala., All awards—very fine specimens.

AN OPEN LETTER.

I do not think much more need be said than to just repeat what Mrs. Inglehart has said in Fancy Fowls with regard to the Orpingtons. She said:

"The Orpington is a grand breed and justly popular. Their genuine merits force them quickly to the front in spite of the American partiality to breeds of our own country.

"They grow in favor with us each year, are prolific layers, excellent table fowls, large, good foragers, lively—in fact are all that goes to make a utility fowl, and are as beautiful as they are useful."

I must say that the demand was much in excess of the supply last season with me, as I was compelled to refuse orders for both stock and eggs. I prefer to refuse orders, than ship something not good enough to please a customer who is looking for utility stock at reasonable prices.

I am looking for a rush of orders in the spring when the hatching time comes, so would be glad if customers or intending buyers would place their orders early, so they will not be disappointed, can book orders and ship when the customer is ready for the eggs. This will insure the early orders to be filled on time.

Will have some very good hens and pullets, of good size, shape, and good even buff color, which will mate with good vigorous male birds, which will insure fertile eggs and strong chicks.

Last year my eggs gave very good satisfaction hatching.

T. M. KING.



BREED THAT PAYS.—S. C. Brown Leghorn and Barred Rocks. Winners; young and old stock for sale. Write for my famous illustrated catalogue. It tells all about the largest and best equipped thoroughbred poultry plants in the south-west. W. J. CHENEY, Cuba, Missouri.

PRAIRIE STATE INCUBATORS AND BROODERS

Winners of 385 First Prizes. A phenomenal record of successes in the hands of poultry-raisers. The machines that insure success. Would you like to know about them? Write for beautifully illustrated free catalogue.

Prairie State Incubator Co., Box 495, Homer City, Pa.



For Sale Cheap!

Several of our large, new Incubators and Sectional Brooders. We will no longer ship out Incubator chicks and will dispose of half of our Incubators and Brooders at great sacrifice. Write for prices on eggs and poultry.

New Departure Poultry Plant, SALISBURY, N. C.

NUGGET STRAIN

Buff Rocks

FOR SALE.

I have a number of good young birds for sale at very reasonable prices, considering quality. A dollar buys as good birds from me as \$5.00 will from Northern breeders. EGGS: \$1.50 per 15.

WALTER E. RODGERS, Cleveland, Tenn.

J. H. CROWELL

—BREEDER—

*Buff and Barred
Plymouth Rocks.*

EXTRA QUALITY.

PARROTT, - - - - GA.

SEND THE INDUSTRIOUS HEN your orders for Job Printing; also, try an ad. in our columns and see if it don't pay you.

Chattanooga Poultry Show.

The first annual exhibit of the Chattanooga Poultry Association was a decided success. The fanciers far and near were there in numbers and they brought their birds with them. The management at considerable expense as well as time had most excellent arrangements for the cooping of the show and all the birds were well cared for.

Much credit is due the management for the courtesies extended the visiting poultrymen and the spirit of fellowship that pervaded the entire assemblage was one worthy of emulation. The awards were placed by Judge F. J. Marshall of Atlanta, Ga., and will be found in full in our columns.

At the meeting of the association the dates were chosen for their next annual show and they wish the other shows in our section to be so kind as to govern themselves accordingly. The dates chosen were 12 to 16 Jan. 1906.

BARRED PLYMOUTH ROCKS.

Julian McCamy, Dalton, Ga., 1st pul, 3rd ckl, 3rd pul, 2nd pen.

C. P. Hale, Sweetwater, Tenn.; 1st and 2nd ckl., 2nd pul., 1st and 4th pen.

L. C. Dorsey, Sunnyside, Ga.; 4th ckl., 4th pul., 3rd pen.

D. W. Wagner, Bristol, Tenn.; 3rd and 4th hens.

W. F. Maury, Chattanooga, Tenn.; 1st ck., 1st and 2nd hens, Special silver cup for best ck., hen, ckl., and pullet.

WHITE PLYMOUTH ROCKS.

Geo. Darwin, Huntsville, Ala.; 1st ckl., 1st and 2nd hens, 2nd pul.

A. E. Merriam, Chattanooga, Tenn.; 1st. ck., 2nd and 3rd ckls. 3rd hen, 1st

*A Winning Combination***FRUIT GROWING ————— POULTRY RAISING**

White Wyandotte Eggs and Strawberry Plants for sale in season. Write your wants. E. F. SCHMITZ, Hill City, Tennessee.

CONASAUGA

Barred Plymouth Rocks. It's the same old

tale At the Chattanooga Show in December, in competition with birds shown by TEN BREEDERS from Georgia, Tennessee and Alabama, "Conasauga Rocks" won on seven entries 3d ckl, 1st and 3d pullets and 2 pen, no old birds entered. They are bred right, mated right, raised right, and they're ALL RIGHT. THEY ALWAYS WIN. You'd better try some eggs \$2 per setting; \$5 for 3 settings. You're sure to like them. JULIAN McCAMY, Dalton, Ga.

B. P. Rocks

As
Bred
By

W. J. Darby, Florence, Ala.

Win in the fastest company. Egg orders booked now. Write for prices. He will treat you right. Send him a trial order.

White Plymouth Rocks (Exclusively)**SEE OUR RECORD:**

CHATTANOOGA—1st ckl., 1st and 2d hen, 2d pen.

HUNTSVILLE—1st and 3d hen, 1st ck., 1st and 2d ckl. 1st pullet...

Send order for Eggs from prize winners.

GEO. DARWIN,

GREEN GROVE, ALA.

*For EGGS from
Prize Winning B. P. Rocks*

Send your order to

W. L. Wall, Huntsville, Ala.

Egg orders from my prize winning birds booked now. \$2 per 15.

ANDES' WYANDOTTES

WHITE AND BUFF.

As fine as Science and Money can breed them. Fifteen years a breeder. Have two pens of Buffs and one of White, full brothers and sisters to first prize winners at World's Fair, St. Louis, Mo. Egg orders booked now and shipped in rotation, \$2.50 to \$4.00 per setting of fifteen. Stock for sale. Satisfaction Guaranteed.

M. D. ANDES,



Bristol, Tenn.

and 3rd pul.

BUFF FLYMOUTH ROCKS.

H. L. Bedford, Jr., Bailey, Tenn.; 3rd ck., 1st ckl., 4th hen, 3rd pen.

W. E. Rodgers, Cleveland, Tenn.; 4th pul., 4th pen.

C. W. Fowler, Smyrna, Ga.: 1st. and 2nd ck., 2nd, 3rd and 4th ckl., 1st and 2nd hen, 1st and 2nd pul., 1st and 2nd pen.

SILVER WYANDOTTES.

W. F. Maury; 1st ck., 1st ckl., 1st hen, 1st, 2nd, 3rd, and 4th pul., 1st pen.

WHITE WYANDOTTES.

R. E. Craigmiles, Chattanooga, 4th pen.

T. L. Bayne, Russellville, Tenn.; 4th pen, 4th ck.

A. J. Lawson, Cleveland, Tenn.; 3rd ck.

J. L. Schipp, Chattanooga; 4th ckl. 3rd and 4th hen, 2nd pen.

Mrs. L. S. Greenwood, Chattanooga; 1st and 2nd ck., 1st and 2nd ckl, 1st and 2nd hen, 1st, 2nd and 3rd pul., 1st pen.

E. F. Schmitz, Hill City, Tenn.; 3rd ck., 3rd pen.

BUFF WYANDOTTES.

Mrs. Foster Butler, Chattanooga, 2nd ck., 2nd, 3rd, and 4th hen, 3rd pul., 2nd pen; Mrs. W. F. Maury, Chattanooga, 1st ck., 1st and 2nd ckl, 1st hen, 1st, 2nd and 4th pul, 1st pen.

LIGHT BRAHMAS.

G. M. Clark, Chattanooga, 1st ck., 1st ckl, 1st and 2nd hen, 1st and 2nd pul, 1st pen.

S. C. BROWN LEGHORNS.

M. S. Copeland, Knoxville, 1st and ck., 1st ckl, 1st and 3rd hen, 1st pul, 1st pen divided; G. W. Gilliam, Monteagle, Tenn., 4th ckl, 2nd hen, 2nd pen; D. W. Styles, Lafayette, Ga., 3rd pen; M. T. Calloway, St. Elmo, Tenn., 3rd ck; L. S. Greenwood, Chattanooga, 2nd and 3rd ck, 3rd hen, 2nd, 3rd, 4th pul, 1st pen divided.

R. C. BROWN LEGHORNS.

Fred Axley, Philadelphia, Tenn., 1st ck., 1st, 3rd, and 4th pul, 1st pen; C. W. Hicks, Madisonville, Tenn., 2nd ckl, 2nd pul.

S. C. WHITE LEGHORNS.

W. H. Bros, Petros, Tenn., 2nd ckl, 1st and 2nd hen, 1st and 2nd pul, 1st pen; J. F. Childress, Sweetwater, Tenn, 1st ck, 3rd pul, 2nd pen; J. L. Schipp, Chattanooga, 3rd ck, 3rd and 4th hen, 4th pen; E. Parker, Mission Ridge, Tenn., 1st ck, 3rd pen; T. S. Hall, Hill City, Tenn., 3rd ckl, 4th pul.

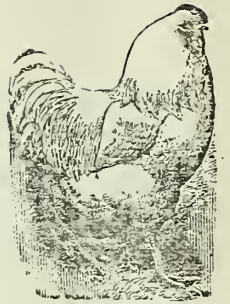
R. C. WHITE LEGHORN.

Cherokee Poultry Farm, Madisonville Tenn., 4th ckl; E. C. Ortmeier, Chattanooga, 1st ck, 1st, 2nd, and 3rd ckl, 1st and 2nd hen, 1st, 2nd, 3rd, and 4th pul, 1st pen.

WHITE WYANDOTTES.

Chalk White. Large and Blocky.

Eggs \$2.00 for 15; \$3.50 for 30.



C. A. BRYARLY, Sherman Heights, Tenn.

Buff Plymouth Rocks

(Exclusively.)

If you want HIGH CLASS prize winning birds, try a setting of eggs or a cockerel from my yards. They won 9 out of the possible 10 first prizes at Macon, Ga., and Chattanooga Poultry Shows, 1904. Twice as many 2d, 3d, and 4th prizes, and 4 times as many SPECIALS as all competitors combined. Eggs \$3 for 15. A few Cockerels for sale. C. W. FOWLER, Smyrna, Ga.

S. C. Buff Orpingtons

The World's Best.

Two pens headed by prize winner. Eggs in season \$3 for 15; \$5 for 30.

I have some fine young Cockerels for sale. Highest scoring Buff Orpington at B'ham show.

C. W. HALL, = = = Brookwood, Ala.

Is It Better Stock You Want?

If so, write to

East Lake Poultry Farm

Breeders of

Buff Leghorns, Buff Wyandottes and Buff Cochins.

Largest breeders of high class BUFFS in the South. They are heavy layers, heavy weight, and heavy winners.

At the great Birmingham show Dec. 6-9, 1904, in strong competition I won 22 prizes out of a possible 24 and American Buff Leghorn Club Ribbon for best Cockerel. No old stock shown. Also special for ten highest scoring birds. In 1903 I won 93 per cent. of prizes entered for.

100 Cockerels and Pullets for sale. One of my Cockerels will improve your stock. A trip will start you right. I will give \$2.50 for best Cockerel of each breed raised from eggs bought of me and showed at Birmingham Show next December.

EGGS, \$2.50 for 15. Circular free.

B. C. GARMON, EAST LAKE, ALABAMA.

DOLAN BROS.

5323 Wade Ave., Avondale Route, Birmingham, Ala.

Breeder of High-Class Light Brahmas. Eggs \$3 and \$5 per 15. We have won more prizes on Light Brahmas than any breeder in Ala. Won at B'ham Dec. 6-10, 1904, 1st, 2d, 3d, 4th Hens, 1st Cock, 1st Pullet. Tied for 2d Cockerel, won 1st Pen. Special for best display Light Brahmas and best display in Asiatic class.

SEED CORN Johnsons Favorite White Dent

Corn, is a pure white corn. This excellent corn has been grown in Tennessee for 50 years with marked results and large yields, 75 to 150 bushels per acre. The ears are very large, from 10 to 15 inches long. Our wonderful corn will double your yield. Before buying elsewhere investigate our offers, and send 30 cents in silver for one pound of sample corn which will be sent by mail. Write for prices. Order today and be ready to plant when the season comes.

CHAS. J. JOHNSTON, TRUNDLES CROSS ROADS, TENN.

ROSEHILL YARDS

SILVER and BUFF WYANDOTTES, BARRED ROCKS and WHITE HOLLAND TURKEYS

again to the front, at Chattanooga Dec. 13th to 16th 1904, with 16 firsts, 6 seconds, 1 third, 2 fourths.

EGGS Chicken, \$2 per 13; \$5 per 40; Turkey, 25c each; \$2 per 9.

Some Buffs and Silvers for sale.

W. F. MAURY, 8th & Pine Sts, Chattanooga, Tenn.



R. C. Brown Leghorns, S. C. White Leghorns, S. C. Black Minorcas.

Pens headed by prize winners. I would be pleased to have your orders. Eggs, \$1.00 per 15, or \$1.80 for 30, or \$5 per hundred.

FRED AXLEY, Philadelphia, Tenn.

HIGH SCORING, PRIZE WINNING BUFF LEGHORNS and BUFF ORPINGTONS.

The two most popular breeds for eggs and the table. My Buff Leghorns have been exhibited at most of the leading shows in the South for the past four years and in every one of them won the first prizes. I have been breeding them 12 years and have the finest lot of youngsters I ever raised, for sale.

Any person who buys Buff Leghorns from me, has the right to examine them at their express office. If they find they are not just as I represent them to be, return them to me without delay and I will pay express charges both ways and return every cent of money paid me and they shall not be out one cent. What breeder will do you better? Who will do you as well? My Buff Orpingtons are fine. I can spare a few pairs and trics of them. Eggs from Buff Leghorns and Buff Orpingtons for sale. P. H. WALKER, CLEVELAND, TENN.

BUFF LEGHORNS.

P. H. Walker, Cleveland, Tenn., 1st and 2nd ck, 2nd and 4th ckl, 1st and 3rd hen, 2nd and 3rd pul, 1st pen; G. W. Gilliam, Monteagle, Tenn., 1st and 3rd ckl, 2nd hen, 1st and 4th pul, 2nd pen; Paul L. Thompson, Chattanooga, 3rd pen.

BLACK MINORCAS.

Fred Axley; Philadelphia, Tenn., 2nd ck, 1st hen; H. L. Heiskel, Sweetwater Tenn., 1st ckl, 1st and 3rd pul, 1st pen; Judge S. M. Walker, Chattanooga, 2nd ckl; W. S. Courtney, Chattanooga, 1st ck.

ANDELUZIAN.

L. S. Whittaker, Chattanooga, 1st ckl, 1st and 2nd pul.

S. S. HAMBURGS.

H. M. Lemon, Chattanooga, 1st hen, 1st and 2nd pul.

ANCONAS.

H. M. Lemon, 1st ckl, 1st and 2nd pul.

BUFF ORPINGTON.

M. L. Blevins, Dalton, Ga., 1st ckl, 1st, 2nd, 3rd 4th pul, 1st pen; Cherokee Poultry Farm, Madisonville, Tenn., 1st hen.

BLACK LEGHORNS.

J. H. Atwater, Chattanooga, 1st ckl, 1st pul.

CORNISH INDIAN GAME.

J. J. Lawson, St Elmo, Tenn., 1st ck, 1st and 2nd pul.

BANTAMS.

Coleman, Chattanooga, 1st ckl, 1st pl.

BRONZE TURKEYT.

A. O. Wadsworth, Lookout Mt. Tenn., 1st and 2nd pair.

WHITE HOLLAND TURKEYS.

Mrs W. F. Maury, Chattanooga, 1st, 2nd and 3rd pair.

PIT GAMES.

Tom Walker, Wedmore, Ala. 1st ck; P. D. Abernathy, Hill City, Tenn., 3rd ck 1st and 2nd hen; F. A. Hasenkamp, Hill City, Tenn., 2nd cz; Courtland Pierce, Chattanooga, 4th ck, 3rd Hen.

PIGEONS;

S. L. Gleaver, Chattanooga, Homers, 1st, 2nd, 3rd, and 4th; J. P. Pemberton, Chattanooga, Fans, 1st white, 1st black Turbits, 1st, 2nd, and 3rd; Pouters, 1st and 2nd white.

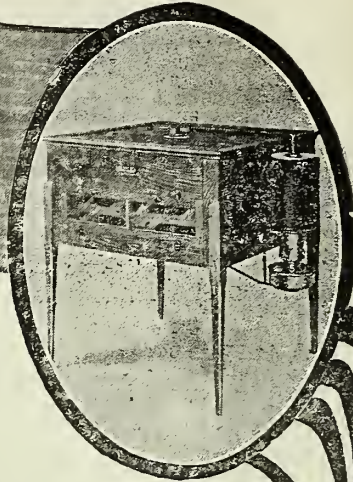
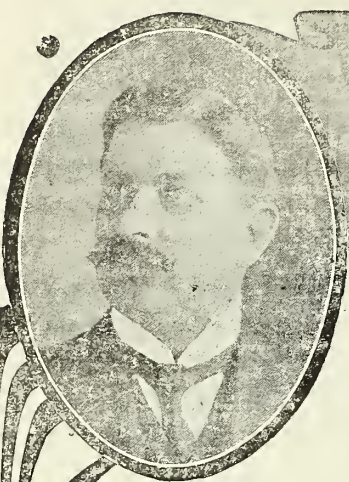
BEST DISPLAY.

Mediterranean, G. W. Gilliam.
Asiatic, G. M. Clark.
American, W. F. Young.

S. C. BLACK MINORCAS.

Eggs from Prize Winning Stock.
\$2 per 15.

W. E. YOUNG, Sweetwater, Tenn.



MODEL

Incubators and Brooders

NOT THE CHEAPEST—BUT THE BEST

In placing the Model Incubator on the market one year ago I aimed to make it the most efficient hatcher ever produced. The severest test,—that of the practical poultrymen, the men who are in the business for a livelihood—has proven that I accomplished my aim. It is my intention that the "Model" shall always be the best—always in advance of its competitors. I make neither "second-grade" nor "boy's toy" incubators. Every incubator manufactured by me is the perfected product of my knowledge and skill, is built for business, of the best workmanship and material that brains and money can command. The Distinctive Feature of the Model last year was the perfected heating and ventilating system. This was at once recognized as a great improvement over the older system. Minor Features were the adjustable diaphragms above the eggs, and the adjustable split diaphragm below, to facilitate cleaning. In the heater, the smoke-flues were pressed together and riveted by special machinery, making it as though molded in one piece, and rendering it impossible for the lamp fumes to sift through the joints into the fresh air flues; the lamp bowl with seamless bottom, reinforced to prevent the "bellows action" when handling; mechanically perfected regulator bearings; a handsomely finished hardwood case, screwed together, and guaranteed to withstand all action of heat or moisture. The Distinctive Improvement For 1905 is a new thermostat, the actuating principle of the heat regulator, which gives an unusually large amount of movement, and is as sensitive and accurate as a thermometer.



William H. Truslow, of Stroudsburg, Pa., one of the country's largest duck breeders, writes of it:—"The new thermostat is a wonder." G. A. McPetridge, Norwalk, Conn., an old breeder and inventor of incubators, says of it:—"It is the best acting thermostat I have as yet tried." The Meadow Brook Poultry Co., Dallas, Pa., proprietors of the Meadow Brook Farm, "The World's Largest Poultry Plant" write:—"Your new thermostat is more sensitive than any other tried, and will prove a labor saver." Many of the largest practical poultry farms are now discarding other makes of incubators, including my earlier design, and are installing the "Model." Among them are "The Crystal Spring Duck Farm, Oil City, Penn., William H. Truslow's Duckery, Stroudsburg, Penn.: Joseph D. Wilson's Pine Tree Chicken Hatchery, Stockton, N. J., and the largest soft-roaster farm on the South Shore writes as follows;—

Assinippi, Mass., Nov. 21st. 1904.

Mr. Chas. A. Cyphers,

Dear Sir:—We have tried the Model and find that it hatches a larger percentage of the fertile eggs than the Cyphers, and the Chicks are stronger—the kind that live. We could not afford to use the old machines, and have replaced them with the Model, purchased of your New England agents, Messrs. Holis, Park and Pollard.

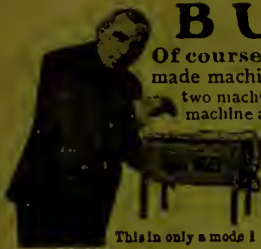
Respectfully yours,

FARRAR BROS.

The Model Colony Brooder, an entirely new creation last year, proved one of the most successful and popular brooders ever offered the public. The points of superiority that were particularly commended were its accessibility for cleaning without removing the chicks; the total absence of draughts and hot spots in the nursery; and the light and cheerful wholesomeness of both the nursery and exercising compartments. Almost without exception my customers report that they raised practically all the chicks placed in the Model Colony Brooder. The President of the American Poultry Association writes:

"I think you have the right idea in a brooder. It does the work to my entire satisfaction. Have run one through three broods, only losing one chick, which I killed because it was a weakling."—D. Lincoln Orr.

SEND FOR DESCRIPTIVE CATALOGUE. Manufactured by
CHAS. A. CYPHERS, 332 HENRY ST., BUFFALO, N. Y.



BUILD IT YOURSELF

Of course you can build your own Incubator and it will hatch as perfectly as any factory-made machine on the market, and you **SAVE HALF THE COST.** This means two machine for the cost of one; or an incubator and brooder, both for less than the cost of an ordinary machine alone. **How I get Our New Book "How to Make and Save Money with Incubators and Brooders."** It explains how you can build Incubators and Brooders and gives full directions for operating them. **The New Idea Incubator** is built from plans we furnish you. The only tools you need are a saw and hammer. Hundreds have built them and are making money. We sell you at wholesale parts like Tank, Lamp, Regulator, etc. Thus you get a complete machine at less than half price. Get the Book! Read all about the plans. See photographs of Incubators and Brooders built from our plans. This book will save you many dollars. Write to-day. **CHANNON, SNOW & CO., Dept. 181 QUINCY, ILL.**

AUTOMATIC POULTRY
WATER FOUNTAIN AND FEEDER.
POULTRY PROTECTOR



Write for special terms
Agents.

E. H. TURNER,

Inventor and
Manufacturer

TIPTON --- IOWA.

Any farmer or fancier who thinks of beginning a new flock or improving an old one is urged to visit **MAPLEHURST.** Relation of price asked to quality offered is such that no breeder ever came here in need of anything we keep without securing it. Many buy again and again.

Will meet any train (5 carry passengers to and from **RUSSELLVILLE** every day) by appointment and entertain prospective purchasers.

2 P. C. Boar Pigs entitled to registry; May farrow. Only 3 S. D. Ram Lambs left. Come or order at once. Best strains of most popular and profitable breeds. Have been carefully line-bred here for many years.

Fall Clearance Sale

of **BARRED ROX, WHITE DOTTES, L. BRAHMAS, B. LANGSHANS and MINORCAS, B. and W. LEGHORNS, PEKIN DUX and BRONZE TURKEYS.**

Shorthorn herd headed by Champion **NOMINEE.** South Downs of English breeding. Fowls and stock in 1-4 mile of Depot at **RUSSELLVILLE, TENN.** W. B. DOAK will furnish any particulars wanted, giving special care to mail orders.



Barred Plymouth Rocks and Buff Cochins

—AS BRED BY—

C. P. Hale, Sweetwater, Tenn.

—ARE—

Ideal farmers fowls at farmers prices. Write for prices. R. F. D. No. 1.

B. S. DAVIS,

CHARLOTTE, N. C.,

—BREEDS—

Barred Plymouth Rocks and White Cochin Bantams

that always have won, and always will.

Watch Them.

Always glad to hear from you.

Queenland Farm

Is breeding more for **UTILITY** than fancy, still it has some birds which are very close to Standard requirements. We make a specialty of the **S. C. BUFF ORPINGTONS**, but also breed some **HIGH GRADE R. C. WHITE LEGHORNS, M. B. TURKEYS and PEKIN DUCKS.** We have a nice lot of cockerels which we will sell cheap if taken in Dec. (Can't spare any females in the Orpingtons, Rocks or Leghorns.)

Write for prices on eggs, also if you need a good cockerel, tell what for, whether to cross on common stock or purebred, and we will make prices.

All stock **PUREBRED** and satisfaction guaranteed. Address, **T. M. KING, Hagan, Va., R. F. D. 2.**

EGGS FOR HATCHING

From Blue Ribbon Winners.

White and Barred Rocks, Black Minorcas, Buff, White and Brown Leghorns, Silver Laced, White and Buff Wyandottes, Buff Cochins and Golden Seabright Bantams.

Am booking orders for spring delivery at 15 eggs for \$1.50.

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